

### NOTES:

1. LAY PIPE THRU BOTTOM OF MANHOLES. AFTER CONCRETE IN BASE HAS SET, KNOCK OUT PORTION OF PIPE INDICATED WITH DASHED LINES.
2. MANHOLE BASE REINFORCING IS NOT REQUIRED FOR 36" DIAMETER OR SMALLER PIPE.

## CITY OF MOUNTAIN VIEW DEPARTMENT OF PUBLIC WORKS STANDARD DETAIL

### STANDARD STORM DRAIN MANHOLE

Revision \_\_\_\_\_ Date \_\_\_\_\_ Approved \_\_\_\_\_

Drawn : QT Date : 05-08-99

Checked : RK Scale : NTS

APPROVED BY: No. 27089  
Exp. 03-31-01  
*Timothy*  
ASSISTANT PUBLIC WORKS DIRECTOR

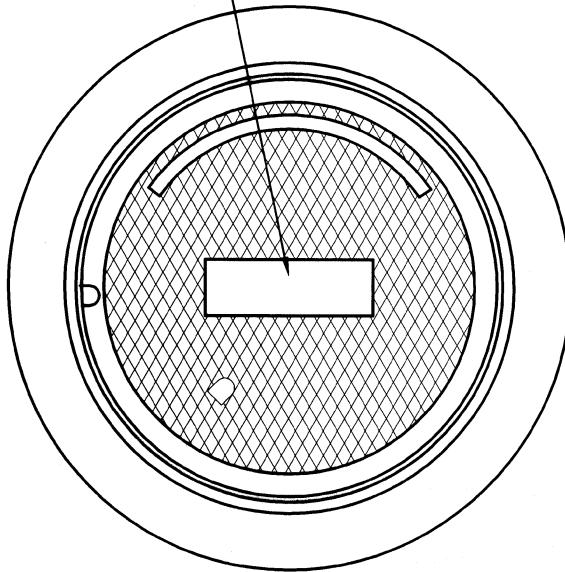
06-29-99  
DATE

05-01-01  
EXP.

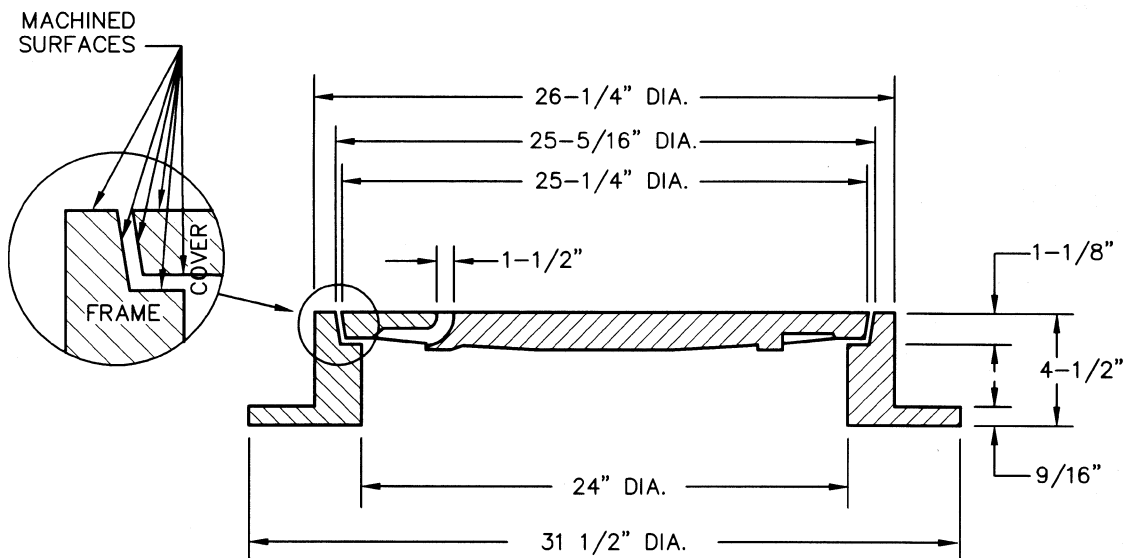
27089  
R.C.E. NO.

FILE NO. B-1

CITY OF  
MOUNTAIN VIEW  
STORM SEWER



PLAN - FRAME & COVER



SECTION - FRAME & COVER

PHOENIX IRON WORKS # P-1090

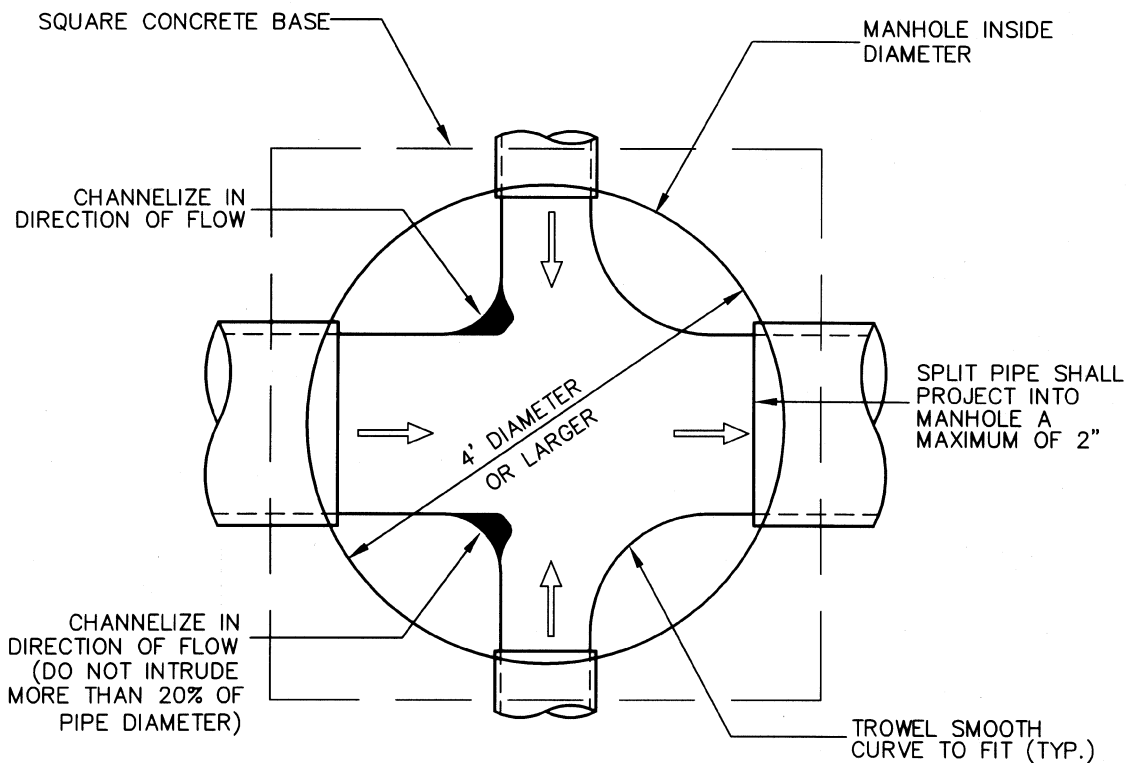
HANSON SBF 1900

**CITY OF MOUNTAIN VIEW  
DEPARTMENT OF PUBLIC WORKS  
STANDARD DETAIL**

**STANDARD STORM MANHOLE  
FRAME & COVER**

Revision	Date	Approved
Drawn : QT	Date : 05-20-99	
Checked : RK	Scale : N.T.S.	
APPROVED BY: No. 27089 EXP. 03-31-01 Assistant Public Works Director		
06-29-99 DATE	27089 R.C.E. NO.	

FILE NO. B-2

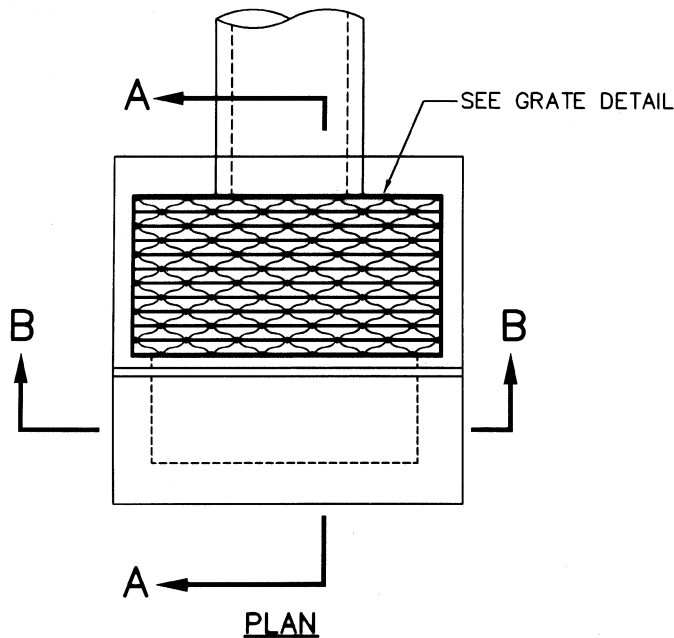


TYPICAL MANHOLE WITH BRANCHES

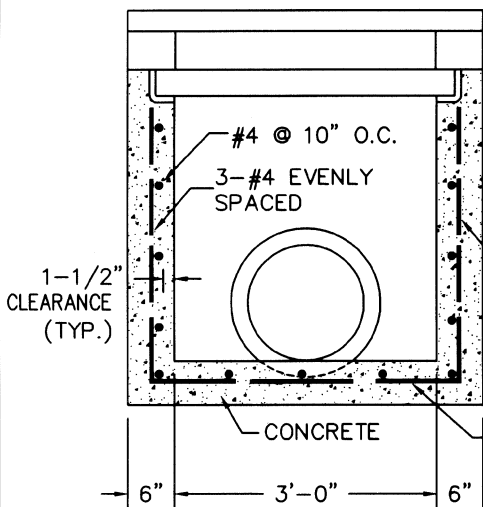
Revision		Date	Approved
Drawn : QT	Date : 05-09-99		
Checked : RK	Scale : NTS		
APPROVED BY: No. 27089			
03-31-01			
06-29-99	03-31-01	27089	
DATE	EXP.	R.C.E. NO.	

**CITY OF MOUNTAIN VIEW  
DEPARTMENT OF PUBLIC WORKS  
STANDARD DETAIL**

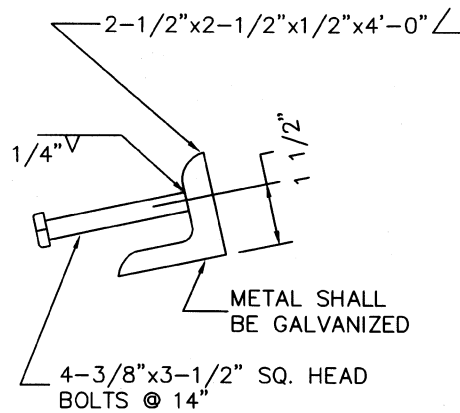
**STANDARD STORM  
MANHOLE BASE WITH BRANCHES**



NOTE: REINFORCING STEEL SHALL BE REQUIRED IN WALLS OF DROP INLETS WHICH ARE GREATER THAN 6' IN DEPTH. BOTTOM REBAR MAT IS REQUIRED REGARDLESS OF HEIGHT OF WALLS.

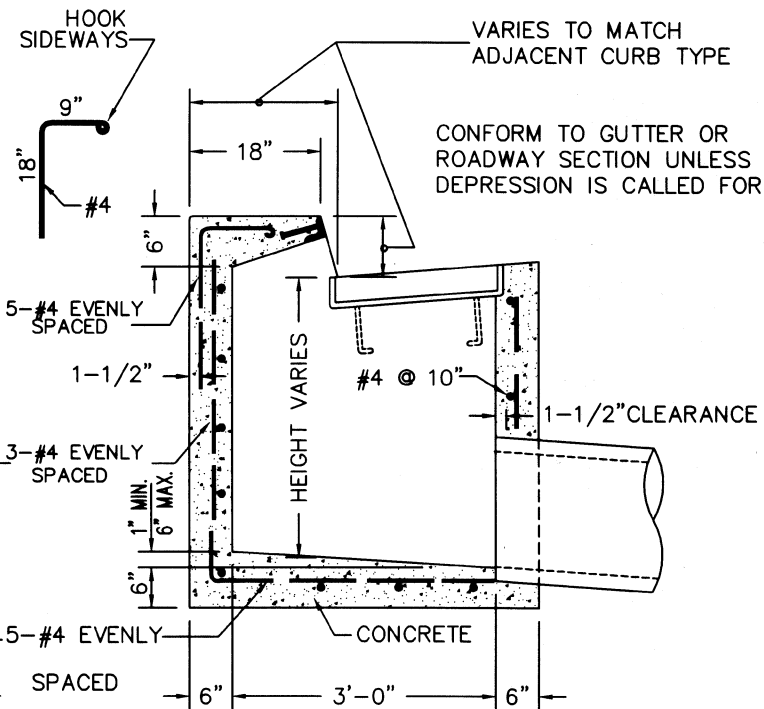


**SECTION B-B**



**ANGLE ANCHOR**

NOTE: WHERE INLET IS LOCATED WITHIN A RETURN, ANGLE ANCHOR SHALL BE CURVED TO MATCH FACE OF CURB RADIUS.



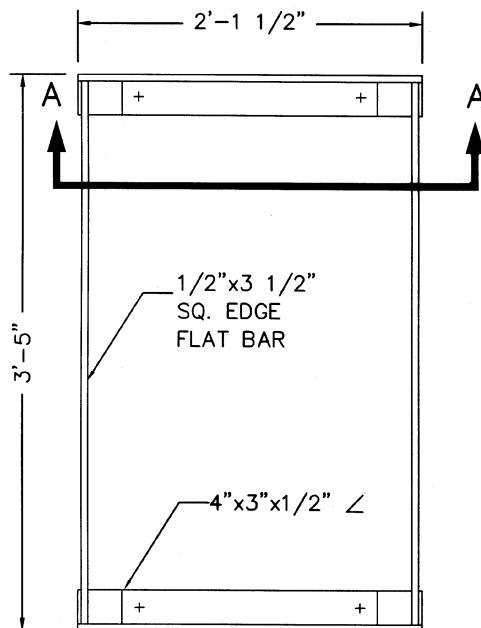
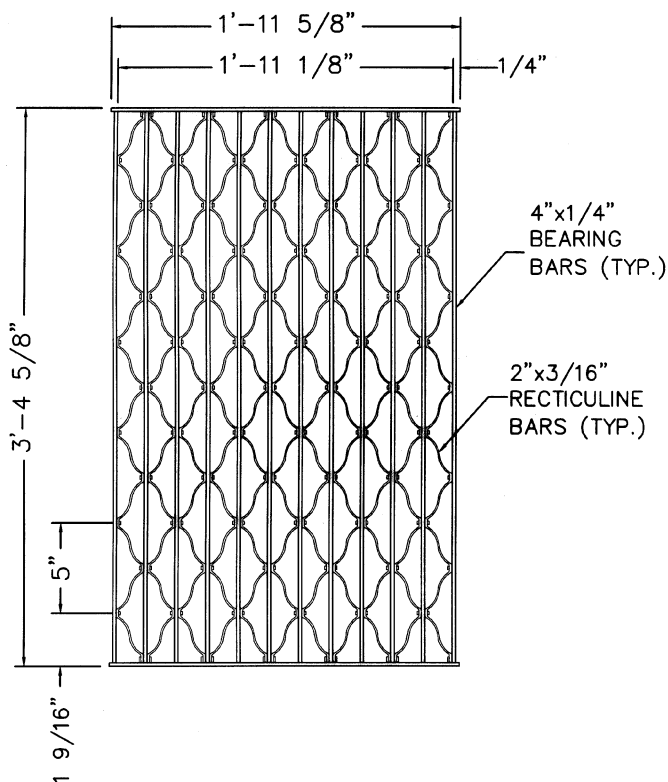
**SECTION A-A**

**CITY OF MOUNTAIN VIEW  
DEPARTMENT OF PUBLIC WORKS  
STANDARD DETAIL**

**STANDARD CURB INLET**

Revision	Date	Approved
Drawn : QT	Date : 05-09-99	
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APPROVED BY: No. 27089		
EXP. 03-31-01		
06-29-99 DATE		
27089 R.C.E. NO.		

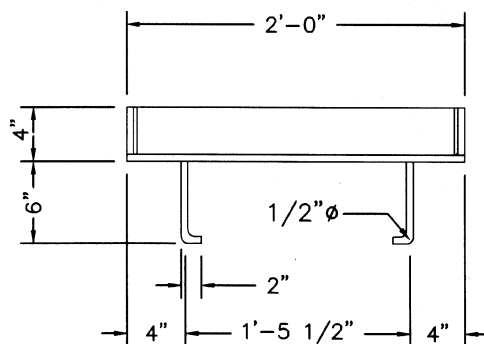
FILE NO. **B-4**



**PLAN**

### NOTES

1. HINGED GRATE ONLY WHEN SPECIFIED.
2. PLACE GRATE BARS PARALLEL TO FLOW
3. ALL MISCELLANEOUS IRON & STEEL TO BE GALVANIZED AFTER FABRICATION.
4. 3/8"Ø RIVETS TO BE PLACED AT 5" O.C. BE GALVANIZED AFTER FABRICATION.
5. OPEN AREA=79.8%
6. FRAME AND GRATE TO BE PHOENIX IRON WORKS NO. P-6302 OR WRITTEN APPROVED EQUAL.

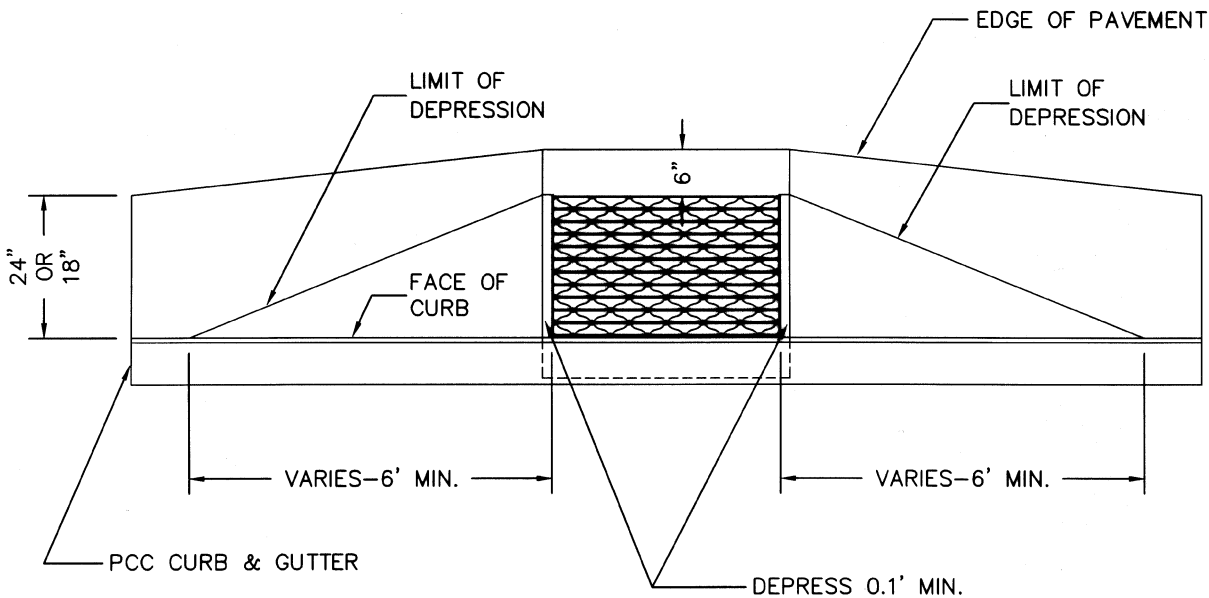


**SECTION A-A**

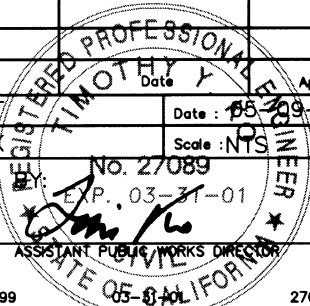
Revision		Date	Approved
Drawn : QT	Date : 05-09-99		
Checked : RK	Scale : NTS		
APPROVED BY: No. 27089			
EXP. 03-31-01			
ASSISTANT PUBLIC WORKS DIRECTOR			
06-29-99		27089	
DATE		R.C.E. NO.	

### CITY OF MOUNTAIN VIEW DEPARTMENT OF PUBLIC WORKS STANDARD DETAIL

### STANDARD CURB INLET FRAME AND GRATE

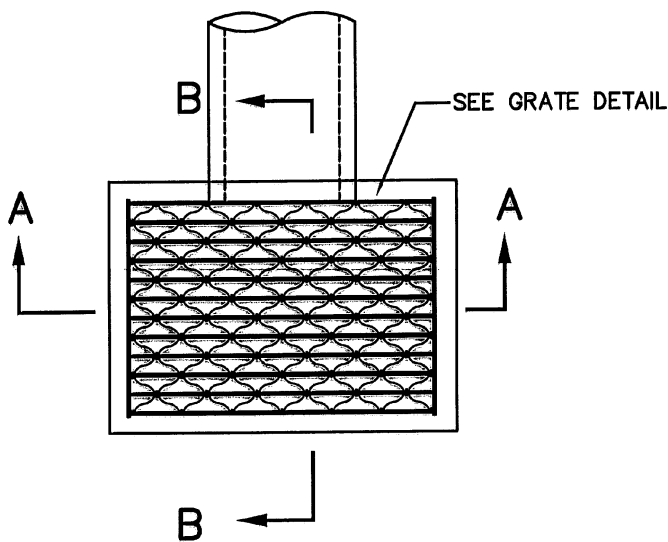


P.C.C. GUTTER DEPRESSION

Revision		Date	Approved
Drawn : QT	Date : 05-09-99		
Checked : RK	Scale : NTS		
APPROVED BY:		No. 27089	
		EXP. 03-31-01	
06-29-99		27089	
DATE		R.C.E. NO.	

**CITY OF MOUNTAIN VIEW  
DEPARTMENT OF PUBLIC WORKS  
STANDARD DETAIL**

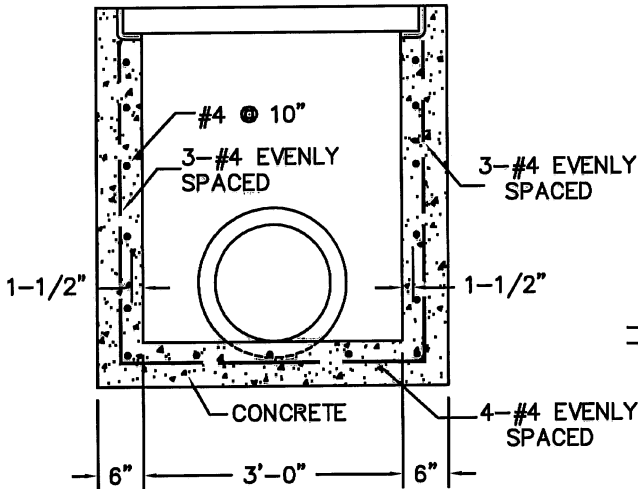
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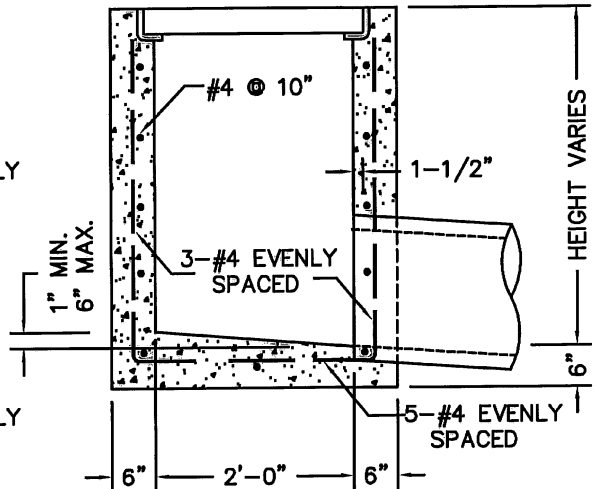
**PLAN**

**NOTE:**

REINFORCING STEEL SHALL BE REQUIRED IN WALLS OF DROP INLETS WHICH ARE GREATER THAN 6' IN DEPTH. BOTTOM REBAR MAT IS REQUIRED REGARDLESS OF HEIGHT OF WALLS.



**SECTION A-A**



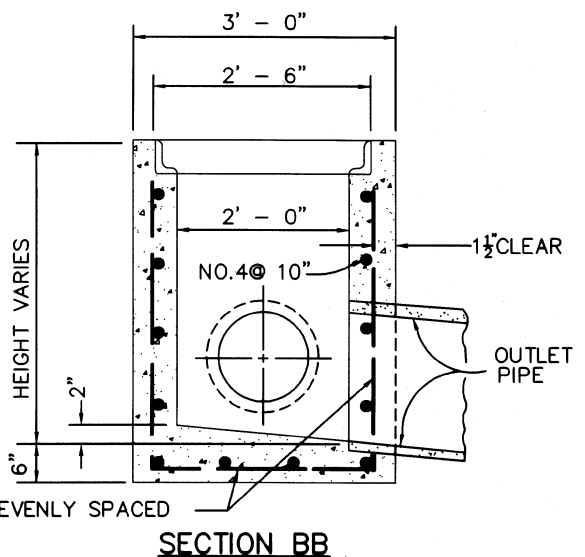
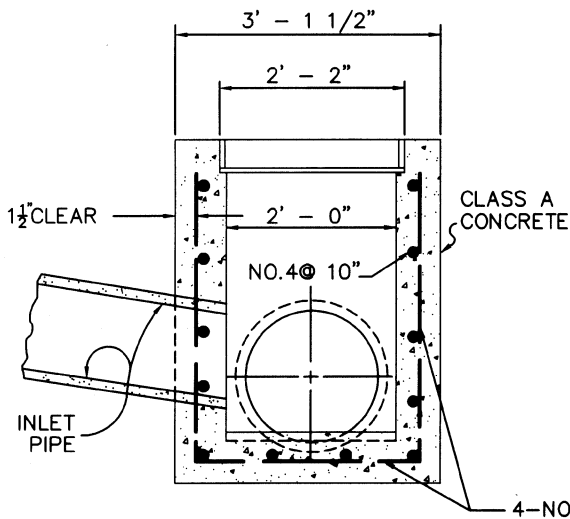
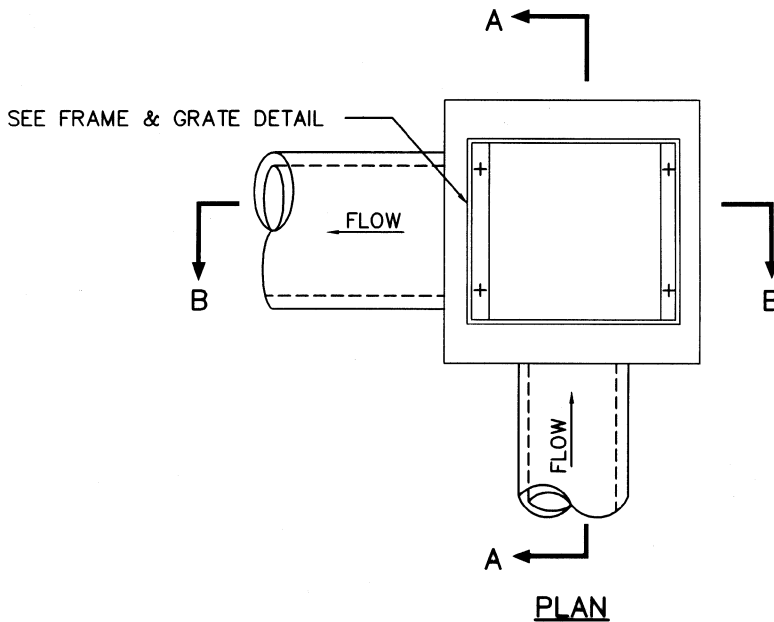
**SECTION B-B**

CITY OF MOUNTAIN VIEW  
DEPARTMENT OF PUBLIC WORKS  
STANDARD DETAIL

**STANDARD TYPE A2 INLET  
(BUBBLER INLET)**

Revision	Date	Approved
Drawn : QT	Date : 02-25-05	
Checked : RK	Scale : NTS	
APPROVED BY: <i>[Signature]</i> ASSISTANT PUBLIC WORKS DIRECTOR		
02-25-05 DATE	03-30-07 EXP.	27089 R.C.E. No.

FILE NO. **B-7**



**NOTES:**

1. MAX. OUTLET PIPE 24" DIAMETER
2. MIN. OUTLET PIPE 12" DIAMETER
3. SET CROWN OF INLET PIPE AT SAME ELEVATION AS CROWN OF OUTLET PIPE

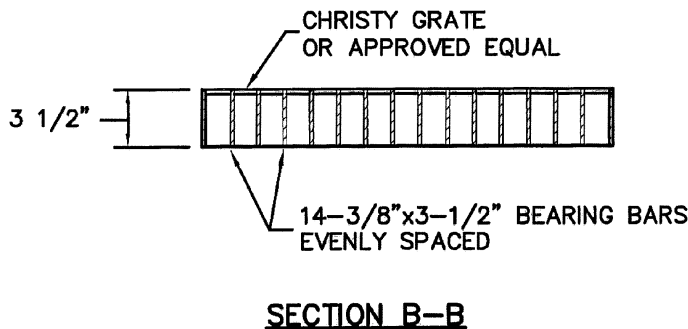
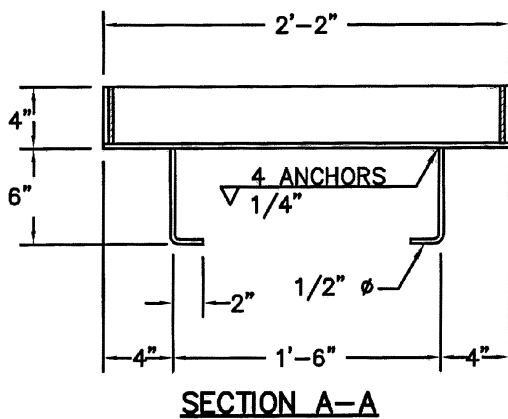
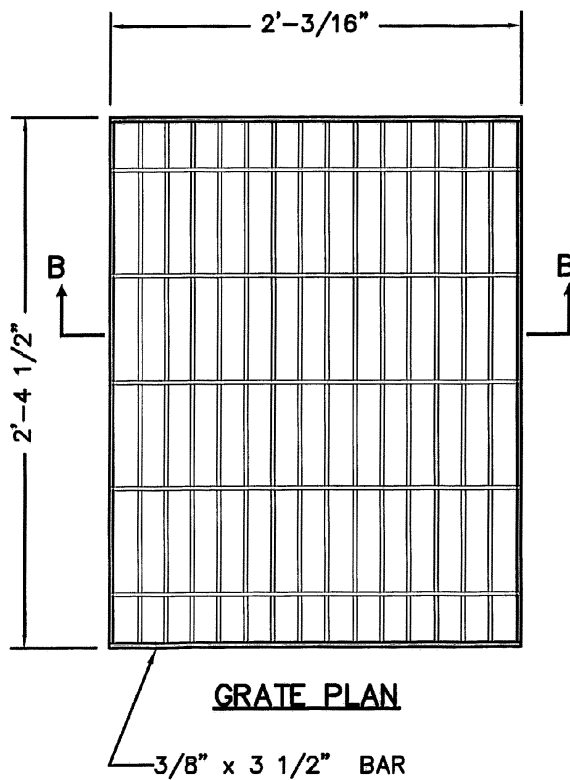
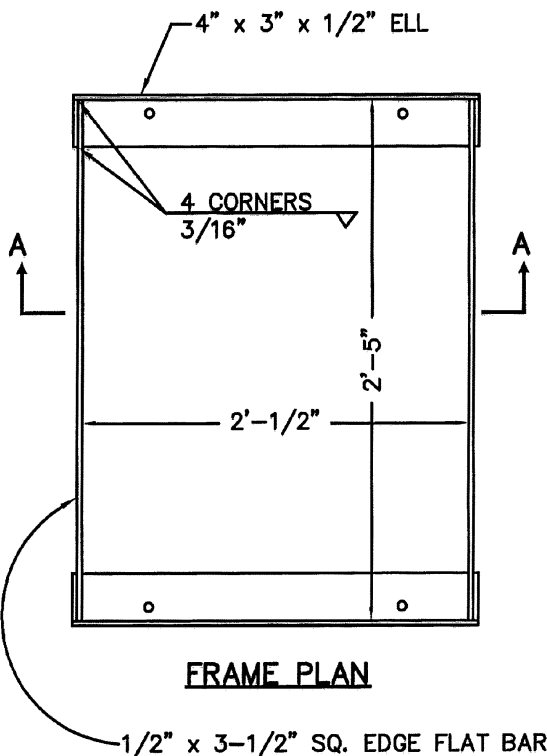
4. REINFORCING STEEL SHALL BE REQUIRED FOR WALLS GREATER THAN 6' IN DEPTH. BOTTOM REBAR MAT IS REQUIRED REGARDLESS OF HEIGHT OF WALLS.
5. CHRISTY U23 CATCH BASIN (2' x 2' WITH 6" WALLS) IS AN APPROVED EQUAL.

**CITY OF MOUNTAIN VIEW  
DEPARTMENT OF PUBLIC WORKS  
STANDARD DETAIL**

**PROPERTY LINE STORM INLET  
AND CLEAN-OUT**

Revision	Date	Approved
Drawn : QT	Date : 08-09-99	
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APPROVED BY: No. 27089 EXP. 03-31-01		
06-29-99 DATE 27089 R.C.E. NO.		





### NOTES

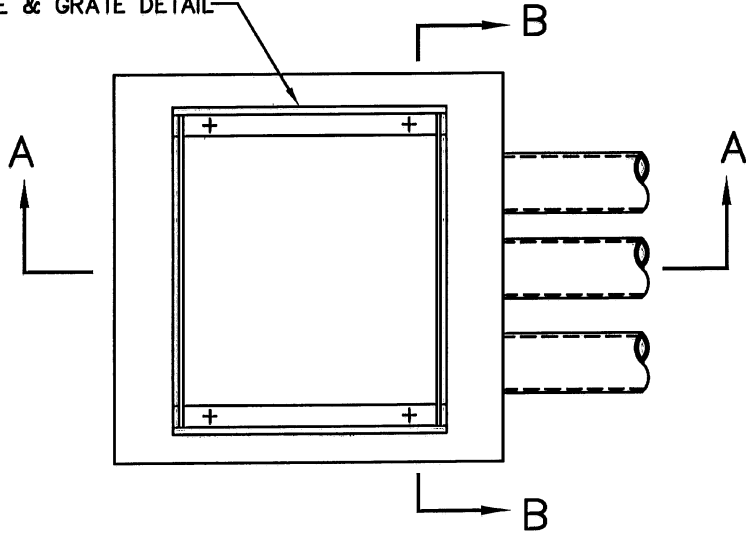
1. FRAME AND GRATE TO BE MADE OF CARBON STEEL.
2. ALL SURFACES TO BE GALVANIZED AFTER FABRICATION.
3. PLACE GRATE BEARING BARS PARALLEL TO  $\phi$  OF OUTLET PIPE.
4. FASTEN GRATE TO FRAME AT CORNERS WITH REMOVABLE CLIPS.

Revision		Date	Approved
Drawn : QT		Date : 02-25-05	
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APPROVED BY: NO. 27089 XP. 03-31-07 Assistant Public Works Director			
02-25-05 DATE		03-31-07 EXP.	27089 R.O.E. NO.

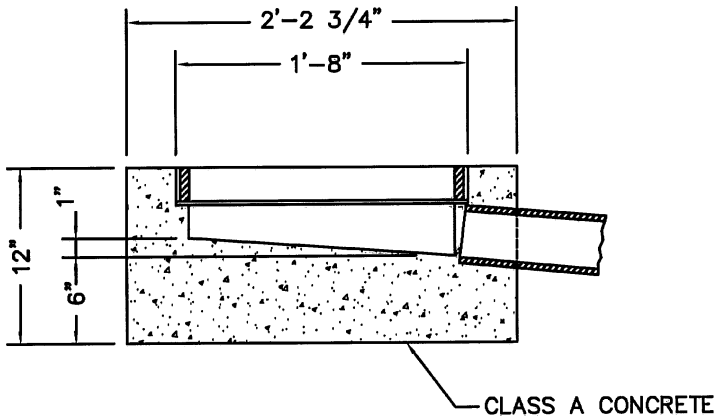
CITY OF MOUNTAIN VIEW  
DEPARTMENT OF PUBLIC WORKS  
STANDARD DETAIL

**STANDARD TYPE FRAME & GRATE  
FOR PROPERTY LINE  
STORM DRAIN INLET & CLEAN-OUT**

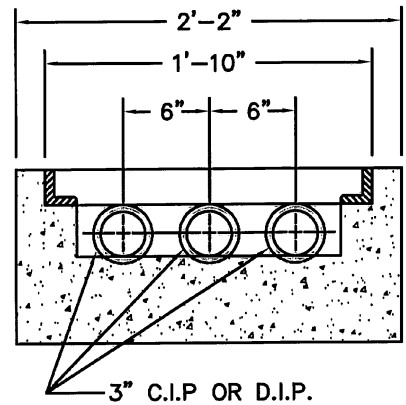
SEE FRAME & GRATE DETAIL



PLAN



SECTION A-A



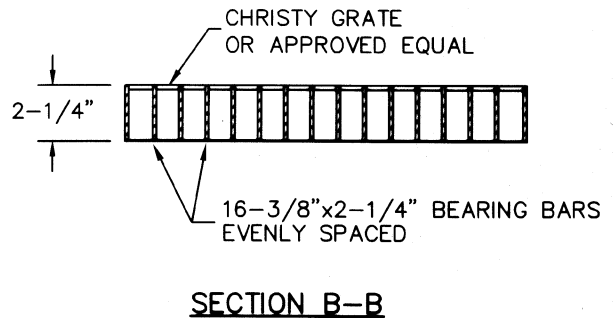
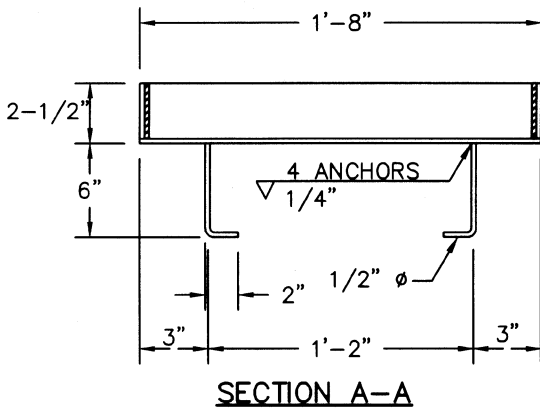
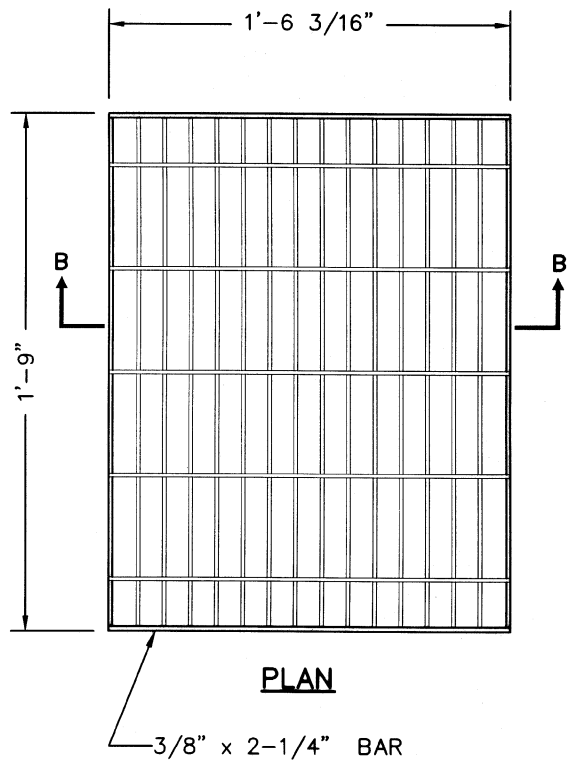
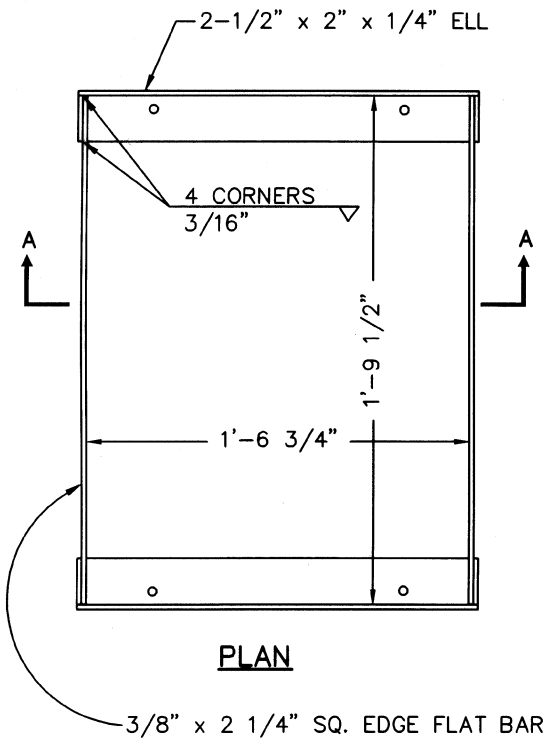
SECTION B-B

Revision		Date	Approved
Drawn : QT		Date : 02-25-05	
Checked : RK		Scale : NTS	
APPROVED BY: <i>[Signature]</i> ASSISTANT PUBLIC WORKS DIRECTOR			
02-25-05		03-31-07	27089
DATE		EXP.	R.C.E. NO.

CITY OF MOUNTAIN VIEW  
DEPARTMENT OF PUBLIC WORKS  
STANDARD DETAIL

**STANDARD FACE OF CURB  
DRAIN INLET**

FILE NO. **B-10**



#### NOTES

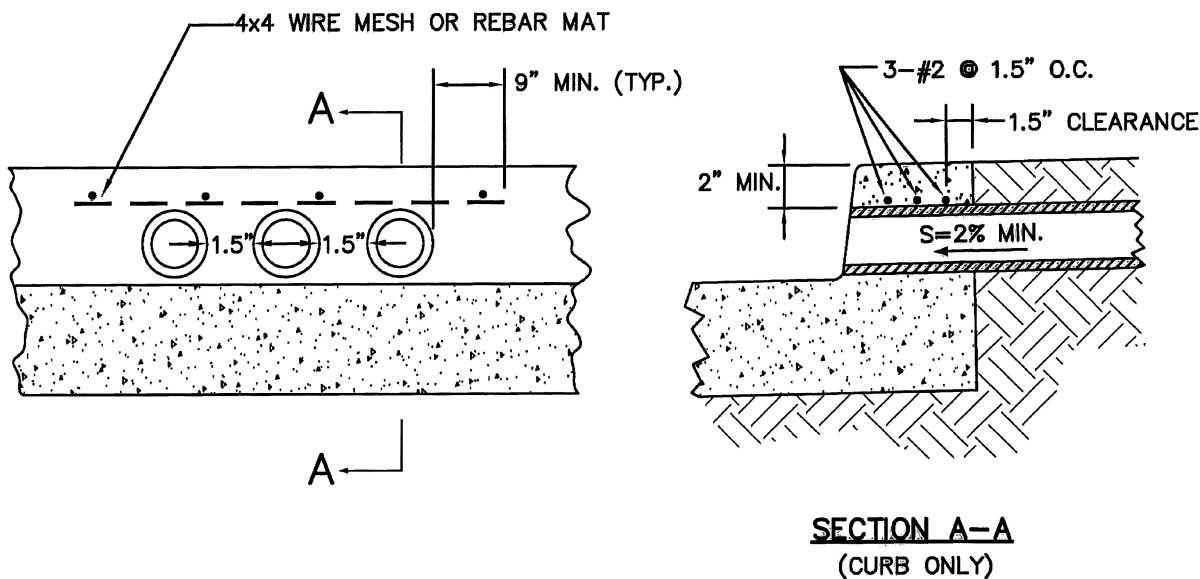
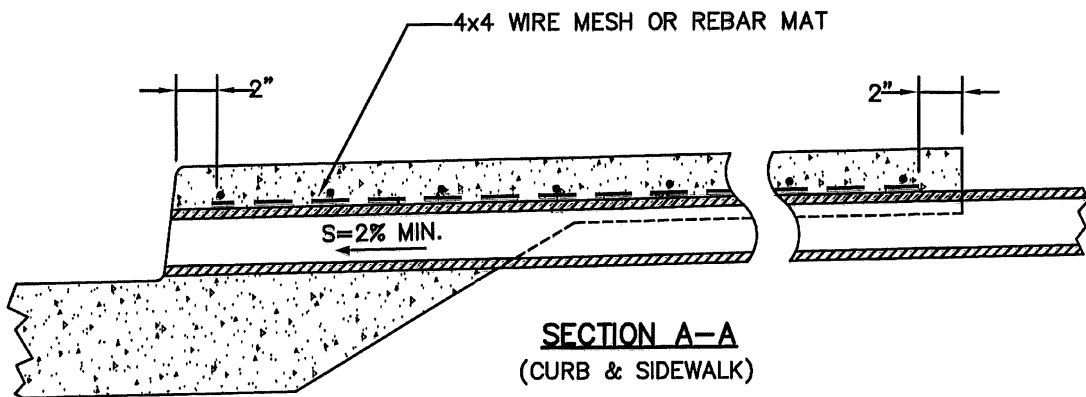
1. FRAME AND GRATE TO BE MADE OF CARBON STEEL.
2. ALL SURFACES TO BE GALVANIZED AFTER FABRICATION.
3. PLACE GRATE BEARING BARS PARALLEL TO  $\phi$  OF OUTLET PIPE.
4. FASTEN GRATE TO FRAME AT CORNERS WITH REMOVABLE CLIPS.

Revision		Date	Approved
Drawn : QT	Date : 05-09-99		
Checked : RK	Scale : NTS		
APPROVED BY: No. 27089			
EXP. 03-31-01			
06-29-99		27089	
DATE		R.C.E. NO.	

REGISTERED PROFESSIONAL ENGINEER  
TIMOTHY J. [Signature]  
No. 27089  
EXP. 03-31-01  
ASSISTANT PUBLIC WORKS DIRECTOR  
STATE OF CALIFORNIA

#### CITY OF MOUNTAIN VIEW DEPARTMENT OF PUBLIC WORKS STANDARD DETAIL

#### STANDARD TYPE FRAME & GRATE FOR FACE OF CURB DRAIN INLET



**NOTES:**

1. 0.5" MIN. BETWEEN PIPE FL AND GUTTER FL
2. PIPE SHALL BE 3" C.I.P. OR D.I.P.
3. MAX. OF THREE PIPES, MIN. OF TWO PIPES

Revision		Date	Approved
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Checked : RK	Scale : NTS		
APPROVED BY: <i>Samuel K. Smith</i> No. 27089 EXP. 02-31-07 ASSISTANT PUBLIC WORKS DIRECTOR			
02-25-05 DATE		02-31-07 EXP.	27089 R.O.E. NO.
CITY OF MOUNTAIN VIEW DEPARTMENT OF PUBLIC WORKS STANDARD DETAIL			
FACE OF CURB OUTLET			
			FILE NO. <b>B-12</b>